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## **CLAIMS**

- 1. An apparatus for sending a wireless audio signal from a transmitter to a receiver, allowing relatively unrestricted range of movement and placement of the receiver, comprising:
  - a signal generator;
  - at least one transmitting element operatively connected to said signal generator for transmitting infrared signals in a direction to reflect said signal off of an object;
    - a receiver, said receiver, receiving said infrared signal; and a listening means.
  - 2. The apparatus of Claim 1, wherein said signal generator is an audio device.
  - 3. The apparatus of Claim 2, wherein said audio device comprises any of:

a CD player, tuner, tape playing device and phonograph.

4. The apparatus of Claim 1, wherein said object comprises any of:

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walls, ceilings, floors, furniture, wall hangings, fixtures, and living organisms.

- 5. The apparatus of Claim 1, wherein said transmitted signal is divergent.
- The apparatus of Claim 1, further comprising:a signal diverging means.
- 7. The apparatus of Claim 6, wherein said signal diverging means is a planoconcave lens, said lens affixed to said transmitter to produce said divergent signal.
- 8. The apparatus of Claim 1, wherein said listening means comprises any of: headphones and speakers.
- The apparatus of Claim 1, further comprising:a signal converging means.
- 10. The apparatus of Claim 9, wherein said converging means is affixed to said receiver producing said convergent signal.

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11. The apparatus of Claim 11, wherein said signal converging means comprises any of:

a plano-convex lens and a plano-concave lens.

12. The apparatus of Claim 1, further comprising:

a first linear polarizer, said first linear polarizer affixed to said transmitter.

- 13. The apparatus of Claim 12, wherein said linear polarizer produces a signal which lies substantially in one plane.
  - 14. The apparatus of Claim 12, wherein said first linear polarizer produces a signal that lies in planes over an angular range.

15. The apparatus of Claim 12, further comprising:

a second linear polarizer, said second linear polarizer in alignment with said first linear polarizer and connected to a receiver.

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- 16. The apparatus of Claim 15, wherein said second polarizer receives said signal over an angular range.
- 17. The apparatus of Claim 1, further comprising:
- a filtering means, said filtering means in combination with said receiver, said filtering means capable of filtering out light that does not lie in the infrared spectrum.
- 18. The apparatus of Claim 17, wherein said filtering means comprises any of: a coating and a computer.
- 19. The apparatus of Claim 18, wherein said computer receives said signal and electronically subtracts signal wavelengths not in the infrared spectrum.
- 20. The apparatus of Claim 1, further comprising:
  - a parabolic deflector, said deflector designed to reflect an incoming signal toward a receiving portion of said receiver.
  - 21. The apparatus of Claim 1, further comprising:

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a counter-weight, said counter-weight integrated with said receiver so as to cause a receiving portion of said receiver to stay level.

22. The apparatus of Claim 1, wherein said signal contains data.

23. The apparatus of Claim 22, further comprising:

a network card, said network card integrated with said receiver, said network card connected to computer and transmitting said data signal to said computer.

24. An apparatus for providing a wireless means for transmitting a signal from a source to headphones or speakers, comprising:

an infrared transmitter which transmits an infrared signal;

a processing means which allows said signal to reflect off objects;

a concave lens which diverges said infrared signal;

a converging means for converging said reflected signal;

a receiver which receives said reflected signal; and

a listening means for listening to said signal.

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25. A method for sending a wireless audio signal from a transmitter to a receiver, allowing relatively unrestricted range of movement and placement of the receiver, comprising the steps of:

generating a signal with a signal generating means;

transmitting a signal in a direction to reflect off of an object with at least one transmitting element operatively connected to said signal generating means;

receiving said infrared signal with a receiver; and listening to said signal with a listening means.

26. The method of Claim 25, wherein said signal generator is an audio device.

27. The method of Claim 26, wherein said audio device comprises any of: a CD player, tuner, tape playing device and phonograph.

28. The method of Claim 25, wherein said object comprises any of:

walls, ceilings, floors, furniture, wall hangings, fixtures, and living organisms.

29. The method of Claim 25, wherein said transmitted signal is divergent.

- 30. The method of Claim 25, further comprising the step of: diverging said signal with a signal diverging means.
- 31. The method of Claim 30, wherein said signal diverging means is a planoconcave lens, said lens affixed to said transmitter to produce said divergent signal.
  - 32. The method of Claim 25, wherein said listening means comprises any of: headphones and speakers.
  - 33. The method of Claim 25, further comprising the step of: converging a signal with a signal converging means.
- 34. The method of Claim 33, wherein said converging means is affixed to said receiver producing said convergent signal.
  - 35. The method of Claim 33, wherein said signal converging means comprises any of:
- a plano-convex lens and a plano-concave lens.

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36. The method of Claim 25, further comprising the step of:

polarizing said signal with a first linear polarizer, said first linear polarizer affixed to said transmitter.

37. The method of Claim 36, wherein said linear polarizer produces a signal that lies substantially in one plane.

38. The method of Claim 36, wherein said first linear polarizer produces a signal that lies in planes over an angular range.

39. The method of Claim 36, further comprising the step of:

filtering said signal with a second linear polarizer, said second linear polarizer in alignment with said first linear polarizer and connected to a receiver.

40. The method of Claim 39, wherein said second polarizer receives said signal over an angular range.

41. The method of Claim 25, further comprising the step of:

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filtering out light that does not lie in the infrared spectrum with a filtering means, said filtering means in combination with said receiver.

- 42. The method of Claim 41, wherein said filtering means comprises any of: a coating and a computer.
- 43. The method of Claim 42, wherein said computer receives said signal and electronically subtracts signal wavelengths not in the infrared spectrum.
- 10 44. The method of Claim 25, further comprising the step of:

reflecting an incoming signal toward a receiving portion of said receiver with a parabolic deflector.

- 45. The method of Claim 25, further comprising the step of:
- maintaining a constant receiver level with a counter-weight, said counter-weight integrated with said receiver.
  - 46. The method of Claim 25, wherein said signal contains data.
  - 47. The method of Claim 46, further comprising the step of:

transmitting said data signal with a network card, said network card integrated with said receiver, said network card connected to computer and transmitting said signal to said computer.

48. A method for providing a wireless means for transmitting a signal from a source to headphones or speakers, comprising the steps of:

transmitting infrared signal with an infrared transmitter;

processing said signal to reflect off objects;

diverging said infrared signal with a concave lens;

converging said reflected signal;

receiving said reflected signal with a receiver; and

listening to said signal.

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